

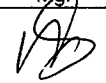

5/20

<b>DART AEROSPACE LTD</b>		<b>Work Order:</b>	23018
<b>Description:</b> Pin Assembly		<b>Part Number:</b>	D3332-041
<b>Dwg:</b> D3332 Rev. A	PAGE 1, 3, 4	<b>Qty:</b>	10
			Page 1 of 1

Step	Location	Procedure	By	Date	Qty												
1	DC	Issue Traveler	JA	05.04.13	10												
2	MC	Machine D3332-3 as per Folio FA493 and Dwg D3332 Material: AISI 1018-1025 Ø0.500" Round Bar (M1018-R0.500) <b>Identify for D3332-3</b> Batch: <u>M16634</u>	JG	05/05/09	10												
3	QC2	Inspect parts as they come off the CNC machine <b>Identify as D3332-3</b>	JG	05/05/17	10												
4	QC8	Second check	RE	05.05.17	10												
5	MFA	Fabricate D3332-5 as per Dwg D3332 Material: AISI 1018-1025 Ø0.313" Round Bar (M1018-R0.313) <b>Identify as D3332-5</b> Batch: <u>M16634</u>	CPL	05.05.19	10												
6	MFA	Assemble and Weld using D3332-041-T1 as per Dwg D3332 <b>Pick:</b> <table><tr><th>Qty</th><th>Part Number</th><th>Description</th><th>Batch</th></tr><tr><td>1</td><td>D3332-1</td><td>Handle</td><td>B23054 B22268</td></tr><tr><td>A/R</td><td>N/A</td><td>Steel Rod</td><td>M16961</td></tr></table> <b>Identify as D3332-041</b>	Qty	Part Number	Description	Batch	1	D3332-1	Handle	B23054 B22268	A/R	N/A	Steel Rod	M16961	CPL	05/06/14	10
Qty	Part Number	Description	Batch														
1	D3332-1	Handle	B23054 B22268														
A/R	N/A	Steel Rod	M16961														
7	QC5	Inspect work to Step 6		05.06.14	10												
8	FP	Powder Coat Fire Red (Ref: 4.3.5.10) as per QSI 005 4.3 <del>Cover D3332-3 and cover thread only for D3332-5 prior to painting</del>	WHL	05.06.17	10												
9	QC3	Inspect Powder Coat	J	05.06.17	10												
10	ST	Identify and Stock	CPL	05/06/17	10												
11	AC	Cost / part: <u>24.49</u>	AB	05/06/22	10												
12	DC	Close W/O <u>2628</u> Inspect Level 21	JA	05.07.13	10												

Rev	Date	Change	Revised By	Approved
A	05.01.13	New issue	KJ/JLM	

RELEASED  
05.01.17

W/O:		D3332-041 WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector
05.05.11	3	- Dim. $\phi.484$ on Dwg. D3332 rev. A p.3 does not specify tol. of $-0.010$ $+0.000$ , - Same for Dim. $\phi.313$ on p.4 should read $\phi.313 \pm 0.005$ .		05.07.04	N/A	 10050202-050704	

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial Design Mgr	Action Description Design Mgr	Sign & Date			

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

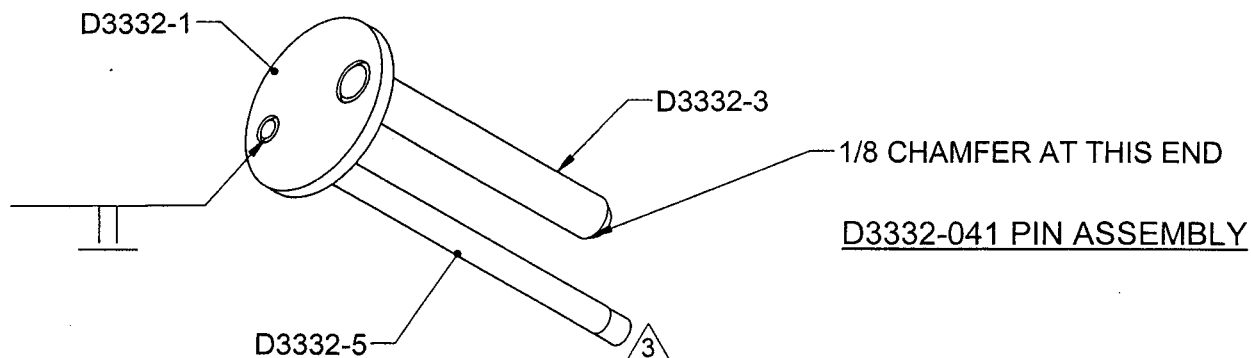
NOTE: Date & initial all entries

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_



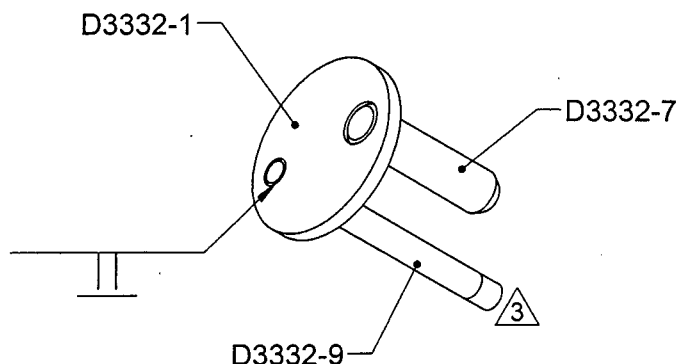


DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3332	REV. A SHEET 1 OF 4
DATE 04.12.14		TITLE PIN ASSEMBLY	SCALE 1:2
A	04.12.14	NEW ISSUE	



D3332-041 PIN ASSEMBLY

RELEASED  
*[Signature]*  
05/02/09



D3332-043 PIN ASSEMBLY

**NOTES:**

- 1) POSITION PARTS USING D3332-041T1
- 2) WELD PER DART QSI 004
- 3) MASK THREADS PRIOR PAINTING
- 4) FINISH: POWDER COAT FIRE RED (REF. 4.3.5.10) PER QSI 005 4.3  
(COVER THREAD ONLY FOR D3332-5/-9 PRIOR PAINTING)
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES
- 7) BREAK ALL SHARP EDGES.0.005 TO 0.10

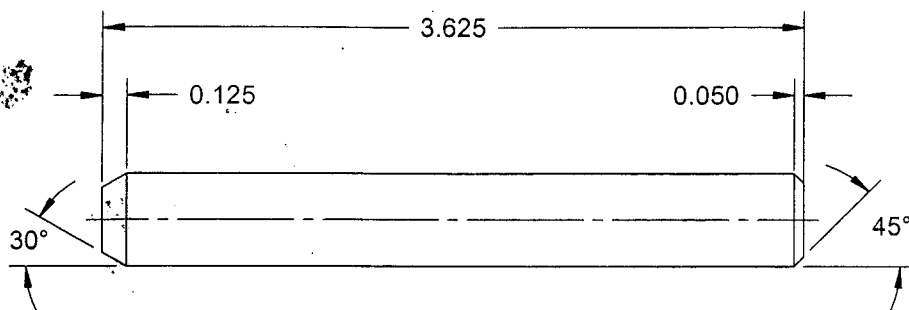
SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO MANAGEMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 23018

COPYRIGHT © 2004 BY DART AEROSPACE LTD.

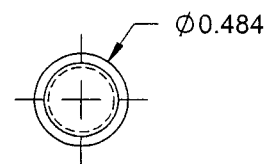
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.



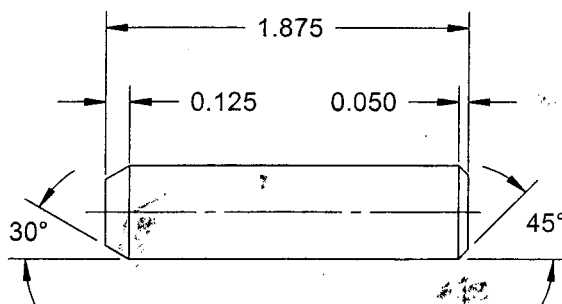
DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3332	REV. A SHEET 3 OF 4
DATE 04.12.14		TITLE PIN ASSEMBLY	SCALE 1:1



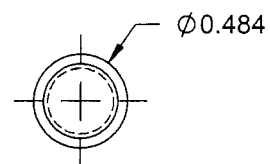
3332-3 PIN



RELEASED  
*[Signature]*  
05/02/09



3332-7 PIN



**NOTES:**

- 1) MATERIAL: 1018-1025 ROUND BAR STEEL PER MIL-S-7097  
(REF. DART SPEC. M1018R0.500)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

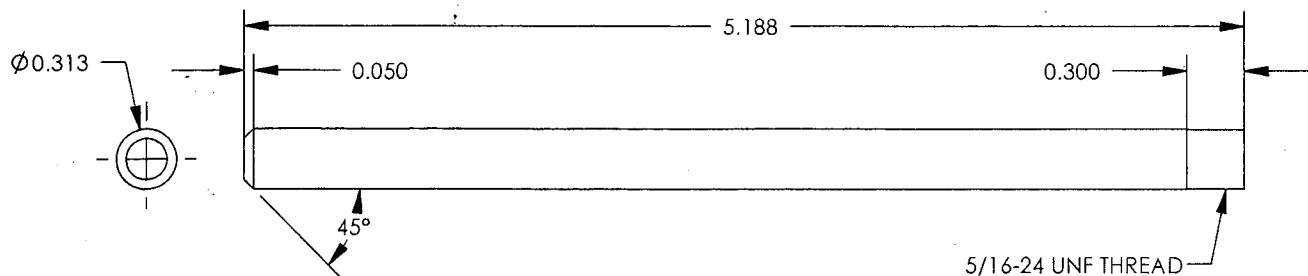
WORK ORDER  
NO. 23018

COPYRIGHT © 2004 BY DART AEROSPACE LTD.

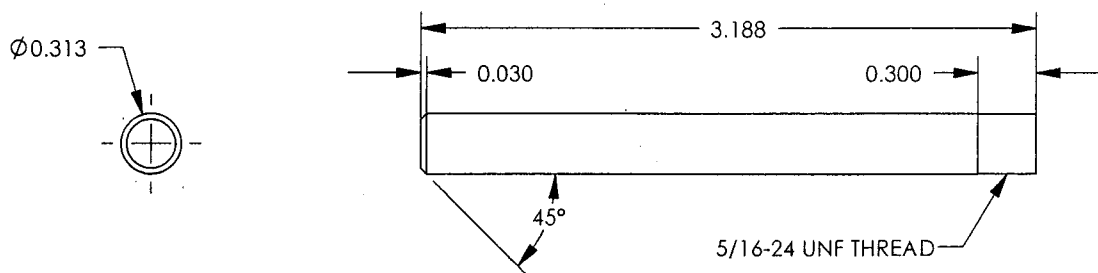
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.



DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3332	REV. A SHEET 4 OF 4
DATE 04.12.14		TITLE PIN ASSEMBLY	SCALE 1:1



D3332-5 SHAFT



D3332-9 SHAFT

NOTES:

- 1) MATERIAL: 1018-1025 ROUND BAR STEEL PER MIL-S-7097  
(REF. DART SPEC. M1018-R0.313)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES

WORK ORDER  
NO. 23018

RELEASED  
05/02/09

UNCLASSIFIED COPY  
SUSCEPTIBLE TO DECLASSIFICATION  
WITHOUT NOTICE

RETURN TO  
DART AEROSPACE LTD

COPYRIGHT © 2004 BY DART AEROSPACE LTD.

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

# Job Costing Report

Dart Aerospace Ltd.  
Hawkesbury

Apr 12, 2005  
02:25 pm

Work Order No : 0023018  
Project Name : D3332-041  
Project For : WK520  
Work Order Type : Main  
Main WO Number :  
House Part Number : D3332-041  
Description : Pin Assembly  
Manufactured : Yes  
Amount Req'd : 10  
Amount Done : 0  
Start Date : 04-12-05  
Est Finish Date : 05-15-05  
Act Finish Date :  
Drawings Req'd : No  
Ok for Approval :  
Approval Rec'd :

Department, Code:  
Burden Flags : NNNNNNNN  
WO Status : Open  
Invoice State : Not Invoiced  
Invoice Date :  
Invoice Number :  
Invoice Amount : 0.00

Order Entry No :  
OE Value : 0.00

Est Mark Up : 0.000%  
Actual Mark Up : 0.000%

\$0 Posted to Finished Goods

	Estimated	Actual	Var. %	Posted	To Post
Material Cost	0.00	0.00	0.00	0.00	0.00
Engineering Hours	0.00	0.00	0.00		
Engineering Cost	0.00	0.00	0.00	0.00	0.00
Production Hours	0.00	0.00	0.00		
Production Cost	0.00	0.00	0.00	0.00	0.00
Packaging Hours	0.00	0.00	0.00		
Packaging Cost	0.00	0.00	0.00	0.00	0.00
OverHead Hours	0.00	0.00	0.00		
OverHead Cost	0.00	0.00	0.00	0.00	0.00
CNC Hours	0.00	0.00	0.00		
CNC	0.00	0.00	0.00	0.00	0.00
Misc. Hours	0.00	0.00	0.00		
Misc.	0.00	0.00	0.00	0.00	0.00
Burden	0.00	0.00	0.00		
Total Cost	0.00	0.00	0.00		
Mark up	0.000	0.000			
Selling Cost	0.00	0.00			

	Estimated	Actual
Labour Hrs/Amount Done :	0.00	0.00
Profits/ (Loss) :	0.00	0.00